

Babylonians developed a year  
of 360 days then divided it into  
12 lunar months of 30 days each.  
Babylonian astronomers knew the  
true number of days in a year  
but kept it at 360 because  
their priests insisted the number  
which may have led to the  
number of degrees in a circle

Classes of people were: Kings; Priest; nobles;  
and officials; common people: Serfs;  
Slaves, Captives

C 3000 BC

Egypt

Climate: There are 2 seasons: one  
from Oct. to May with a blue sky,  
balmy air, flowers & fruit; one from  
June to Sept. when the desert winds  
burn & dry up all vegetation <sup>even covering</sup>  
it with sand and dust

By Sept the melting snow from  
the Abyssinian Highlands cause the  
Nile to overflow its banks depositing  
a rich soil over the whole valley

& then return to its natural channel.  
Production: Egypt is the richest  
country in the world. Three crops are  
gathered ea. year. In the mountains,  
are found building stone and minerals.  
It lies at the junction of 3 continents,  
Asia, Africa, and Europe. Bounding  
two large deep seas and has a  
natural waterway for commerce.

Egypt may be the oldest country  
in the world.

Ancient Egypt was an absolute monarchy  
in which the priests had great influence  
but the King was the center of political  
religious, and intellectual life.

At first the people lived in small states  
called nomes, ea. with its own chief  
and its town surrounding the principal  
shrine. Later for self protection, these  
nomes were all united under one  
ruler and we have the beginning  
of the monarchy.

3000 BC

After 3000 BC - vast range of documentary evidence from Egypt, includes literary writings, law, historical records, spells, medical works, schoolboy's exercises, religious rituals, diplomatic correspondence and treaties with foreign powers.

Egyptians extended the  
year by 5 days to 365 days.  
They set aside 5 days for  
feasting during the Nile's  
annual flooding.

- 230-221 BC PRINCE CHENG; CH'IN armies  
overcame all opposition
- 221 BC - 210 BC Great Wall of China
- 206 BC Ch'in Shih's authority collapsed  
Han Dynasty
- 111 BC Han Dynasty forced northern  
invaders to retreat behind the Wall  
Reduced Korea to Vassals; Annexed  
TOKIN; Took over YUEH

- C 3000 BC - Development of River Valley  
Cultures  
Egypt, Mesopotamia, Chinese, India
- 3000 BC Control over Mesopotamia was  
from the mouth in cities of  
SUMER - UR
- 2800 to 2400 BC Sumerians ruled  
domination passed to AKKAD  
King SARGON
- 2100 BC - Amorites, people of Elam
- 2000 BC Babylonia emerged
- 1800 BC Code of Hammurabi

1600 - 1200 BC 4 centuries of KASSITE Rule  
1200 BC - 612 BC ASSYRIA ruled  
612 BC - 539 BC New Babylonian Empire  
549 BC - 530 BC Cyrus the Great  
522 BC - 486 BC DARIUS I  
c 428 - 521 BC Zoroaster  
330 BC Alexander the Great  
320 BC Alex reached Indus Valley  
63 BC Roman Armies Conquer Syria

c 1200 BC Moses brings Jews out

1500 - 1200 BC 1st conquest of Central Asia  
by Aryans (Ethnic Persian  
of Medes & Persians)

YELLOW R. = HUANG HO soil deposit

c 2200 BC Date of origin HSIA - earliest Dynasty

1600 BC SHANG

c 1400 BC SHANG culture peaked

Capital City of ANYANG

c 1027 BC Prince of CHOU overthrew SHANG

771 - 770 BC major uprising

770 - 476 BC small political units in HUANG HO

551 - 479 BC Confucius

481 - 221 BC Warring States

256 BC WEI HO captured Capital of CHOU

the ideas of the common people regarding these gods, and sought to regard them as symbols

of loftier ideas. The ibis, THOTH, was regarded as the father of science and letters, and corresponded in the Greek mind to HERMES or Mercury. PTAH, worshiped at Memphis, they regarded as one of the creators of the world. He resembled HEPHAESTUS or VULCAN.

C 3000 BC

1912 Dates J-BK

①

Ancient Egyptian religion had its origin in the low animism or fetichism of African tribes. Every village in those early days had a god or supernatural power which was worshipped as dwelling in a tree, a grove, a cave, or in some animal. As civilization progressed, the special gods or demons of the larger and more important cities predominated, and in time alone survived. The worship of the



sun developed at a very early time, and is spoken of in the religion by various names, such as RĀ and HORUS. Heliopolis had its own sun god, ATMU. OSIRIS was the local god of ABYDOS and BUSIRIS. Gradually all of the gods came to be regarded as a form or variation of the sun; consequently there was no logical system possible, though AMENOPHIS IV, sought to systematize religion and to have the sun regarded

as the supreme source of light and power. This attempt at monotheism through ardently carried forward by this king, did not endure longer than his own reign. While the higher thought tended toward pantheism, it was for a long time impossible to eradicate the ideas of fetishism that prevailed in the popular mind, which worshiped animals as the abodes or dwelling place of their gods. It was the Greeks who failed to comprehend

earth by exercise of certain magical formulae. A subsequent final judgment was passed upon the soul of the deceased by the 42 associates upon earth.

②

The Egyptians firmly believed that there was a spiritual part of man, that existed after death. Man was considered in 3-fold aspect; the mortal body, the living soul, and a ghost or double that existed during life and after death. As this ghost might inhabit the mortal body after death, the Egyptians considered it necessary to embalm

their dead so as to keep the body always ready to receive this spiritual guest and as they believed that it experienced the appetites, the relatives of the deceased provided food and other articles of comfort.

The most prevalent opinion was that the soul of the deceased was led by the god ANUBIS to the realm of the dead through passageways beset with dangers and difficulties, to be judged by OSIRIS and his 42 associates.

It was believed that the famous "Book of the Dead," if deposited with the body would serve as safe conduct through all of those dangers and that the deceased could safely enter the hall of the judgment. The penalties of adverse judgment were very horrible; a favorable judgment insured eternal abode in the Elysian Fields and perpetued banquet at the table of OSIRIS. They believed in the ability of the dead to return to

3000 BC

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The first house of prostitution  
on record may have been Ka-Kum  
located in the city of Erech (or Uruk)  
in Sumer

~~3000 BC~~  
5K = 3K 1st 1500

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5000 YA

3000 BC

Copper Age

3000 BC

The first house of prostitution  
may have been Ka-Kum  
located in the city of Erech (Uruk)  
in Sumer



c 3000 Bc

In desert at ABYDOS is the  
SHUNET el-ZEBIB - a vast  
rectangular mud-brick structure  
404 x 210 ft. Walls up to 16 ft  
thick

3000-2000 BC

Early Bronze Age  
in Aegean region



3000 → 2000 BC

Early Minoan Culture

Early Helladic culture  
of Aegean

3000 BC

Proto-Indo-European  
Neolithic Age. Indo-Europeans living  
in North Central Europe.

Indo-European undifferentiated  
except dialectally

3000 BC

Cuneiform

Ancient Sumerian and Mesopotamian  
script writing, originated as  
picture writing.

3000 BC - 1000 BC

CNossos (KNossos)

Ancient city in north Crete;  
center of Minoan civilization

3000 BC

Books (written or printed record  
of some length) began 3000 BC  
as clay tablets

3000 → 2360 BC

Beginning of Sumerian Culture  
Classical period

In northern Mesopotamia, the mixture of Semitic immigrants and the native population gives rise to the Assyrians

3000 → 500 BC

Indo European

Proto-Germanic

Extensive migration of Indo-European speakers to India - Greece, and Western Europe

Differentiation of Indo-European language families, including Germanic. Earliest documents in Sanskrit, Greek, etc.

3000 BC  $\Rightarrow$  AD 75

The cuneiform writing system flourished in the Near East from before 3000 BC to AD 75.



3000 B.C.

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Bronze first used to make  
tools in Near East.

3000 BC  $\rightarrow$  1000 BC

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Bronze Age

3000BC  
5,000 YA

Metal-using cultures

3000 BC

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Because of Precession  
Alpha Draconis was the  
Polestar in northern  
hemisphere

c 3000 BC

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Mongolian tribes coming from  
the West invaded China and formed  
the people we know as the  
Chinese

300062

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The 1<sup>st</sup> house of prostitution  
on record may have been  
KA-KUM located in  
the city of ERECT (or URUK)

C 3000 → C 2680 BC

EARLY DYNASTIC PERIOD  
(Dynasties I & II)

Egypt

3000 BC

Stone Temples - Malta.



3000 BC

Written literature - Mesopotamia

c 3000 BC

Donkey and mule in Palestine

C 3000 B C

The Babylonians developed a year of 360 days, then divided it into 12 lunar months of 30 days each.

Babylonian Astronomers knew the true number of days in a yr but kept it at 360 because the priests insisted the number possessed magical properties.

3000 BC

Introduction of Copper and Bronze  
in South East Asia

Introduced into China  
c 1600 BC

3000 BC

By 3000 BC an advanced civilization  
was established in Egypt

3000 BC

Because of precession, THUBAN in  
the constellation DRACO was the  
North Star.

3000 BC

Egypt united under a single  
pharaoh.

Beginning of the OLD KINGDOM.

Appearance of writing.

3000 BC

Egyptian writing assumed two forms from its beginning some 5000 yrs ago: abstract signs for administrative recording and picture-oriented hieroglyphs for public display.



3000 BC

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1st writing system appeared  
5000 yrs ago among the Sumerian  
people living in what is now  
IRAN.

3000 BC

Copper mined in Cyprus

3000 BC

Writing and therefore history,  
in the strict sense, came into  
existence 5,000 yrs ago in the  
valleys of the TIGRIS and EUFRATES  
in Mesopotamia (modern Iraq)  
and of the Nile in Egypt.

3000 BC ~ 2000 BC

The earliest record of the use of a horse as a means of transport comes from the Sumerians, who used vehicles drawn by ONAGERS.

appx.  
3050

An early form of hieroglyphic writing  
is in use in Egypt; the 1<sup>st</sup> known  
hieroglyphics are those found on KING,  
NARMER'S PALETTE

3000 BC

YAMNAYA

3000 BC

Horses. Riding in eastern Europe. Chariots appeared c 2100 BC Cappadocia and horse bits 1900 BC in Hungary. Improved

Scythian horses had been bred by 850 BC. In China a retinal breast strap was introduced 250 BC and the horse collar 1 AD. A big-toe stirrup was in use by riders in India c 100 BC and foot

stirrups in China by AD 300.



3000 BC

Pack animals - Asia (donkey, camels, elephant). The use of llamas as pack animals in South America may be older.

3000 BC

Temples.

c 3000 BC

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Egypt: Astronomy

The order of the planets is Saturn, Jupiter, Mars, the Sun, Venus, Mercury, and the Moon. The day being divided into 24 hours. Ea. hour was consecrated to a particular planet, namely: 1st to Saturn; 2nd to Jupiter, 3rd to Mars and so on and the day received the name of the planet which

presided over its first hour.

If then the 1st hour was consecrated to Saturn, the planet would have the eighth, the 15th, and 22nd hr; the 23rd would fall to Jupiter and the 24th to Mars, and the 25th, the first of the 2nd day would fall to ~~Jupiter~~ the Sun. In like manner, the first of the 3rd day would fall to the moon, first of 4th day to Mars, of the 5th to Mercury, the 6th to Jupiter and the 7th to Venus, according to DIO CASSIUS, the Egyptian week commenced with

SATURDAY

C 3000 B C

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Ancient EGYPTIANS

Reckoned hours from midnight  
to noon  
& then noon to Midnight

3000 BC

Thin Bones - Eurasia

c 5000 yrs ago = 3000 BC

Written literature.

3000 BC

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Hieroglyphics - Egyptian



3000 B.C.

Drinking turned

C 3178BC

Copper Age Man (West Turkey)  
had a life expectancy of  
36 years

Average male age 15

3000 BC  $\Rightarrow$  1500 BC

NEOLITHIC PERIOD  
(Spain & North Europe)

C 3000 BC

## SPHINX

Near the Great Pyramid in Egypt stands a huge sculptured rock called the SPHINX. The face is that of a man, perhaps the Pharaoh KHAFRE who built it almost 5,000 years ago. But the body is that of a lion, and between its great stone paws is a small temple. Since no one knows exactly why the SPHINX was built, it remains a riddle.

C 3000  $\rightarrow$  2500 BC

Sahara began to dry up.

3000 BC

Chinese people have already emerged from the pastoral stage.

5000 yrs ago = 3000 BC  $\pm$

Stonehenge may be a calendar  
(lintels = hinges) as well as observatory.

It was built; it was altered and  
modified several times over a period  
of 2000 yrs.

The broad avenue is aligned toward  
the rising sun on the 1<sup>st</sup> day of summer

3000-1100 BC

Minoan civilization. Advanced  
Bronze Age civilization on the  
island of Crete - flourished  
3000 - 1100 B.C.



c 3000 B.C.

Book of the Dead - Collection  
of ancient Egyptian mortuary  
texts, some dating back  
to the old kingdom  
Achieved final form in  
26th dynasty c 600 BC

3000 BC

Alphabetic (syllable) writing  
in 27 pt

3000-2901 BC

Cotton is cultivated in India

Tooth filling occurs in Summer

3000 BC - 1000 BC

Bronze Age

3000 BC

Phoenicians settle eastern  
Mediterranean Coast

Bricks 1st used in Egyptian and  
ASSYRIAN cultures

3000-2901 BC

IMHOTEP, Egyptian physician and  
architect

Born near Memphis

Flourished 2980 BC to 2950 BC

3070-2901 BC

Oxen and mules are domesticated  
in what is now Israel; camels in  
what is now Iran and Arabia; and  
elephants in India

3000 - 2901 BC

Impressions of clay tokens used in Sumeria for showing measures of grain become standardized as the first numerals; a small measure of grain becomes 1, while a larger measure becomes 10; around the same time symbols are introduced for 60 and 360.



3000 BC

Windmill Hill culture in  
Britain.

First cities in Sumer and  
Egypt

Phoenicians settle along  
eastern coast of Mediterranean.  
Invention of WHEEL.

3000BC

Babylonians conquered SUMER  
led by King SARGON I of  
AKKAD

3mBC

Egyptian hieroglyphics

3000 BC

Two-humped camel }  
one-humped camel } domesticated  
Elephant .

3000 BC - 2501 BC

BEGINNING OF SYSTEMATIC  
ASTRONOMICAL OBSERVATIONS IN  
EGYPT, BABYLONIA, INDIA & CHINA

3000 BC - 2501 BC

GREAT WALL OF URUK WITH  
900 TOWERS IS BUILT.

3000 BC - 2501 BC

OIL-BURNING LAMPS USED BY  
SUMERIANS

3000AC-2501BC

PROBABLE DATE OF MANUFACTURE  
OF FIRST IRON OBJECTS



3000 BC - 2500 BC

SUMERIAN NUMERICAL SYSTEM  
BASED ON MULTIPLES OF 6 & 12

3000 BC

Sumerian fashions prevalent in Ashur

3000BC - 2501 BC

CHEROPS PYRAMID CONFORMS  
IN LAYOUT AND DIMENSIONS  
TO ASTRONOMICAL MEASUREMENTS